AMENDMENTS TO THE CLAIMS:

Without prejudice, this listing of the claims replaces all prior versions and listings of the claims in the present application:

LISTING OF CLAIMS:

Claims 1 to 8. (Canceled).

9. (Currently Amended) A method for transmitting digitized, broadband data, which are suppliable by various sources for retransmission and which are selectable by a user via a reverse channel, comprising:

performing signal analysis on source signals, and, if necessary, converting a data format of the source signals;

centrally comparing the source signals to a quality measure ~~before performing the signal analysis and~~ before the retransmission, wherein the quality measure is demanded by a selecting user, to determine inferior quality; and

performing a signal improvement on the source signals determined to be of inferior quality ~~signals~~ with respect to the data format and errors of the source signals, wherein the signal improvement includes at least one of a standard conversion through an up-conversion and a special signal improvement.

10. (Currently Amended) The method of claim 9, further comprising:

demultiplexing multiplexed data streams to demultiplexed signals, if necessary, before performing the signal analysis;

subsequently analyzing the demultiplexed signals to be processed with respect to their data formats and errors; and

performing a format conversion if an input signal format and an output signal format differs;

performing additional special signal improvements to signals, such signals having an improvable quality; and

multiplexing the demultiplexed signals.

11. (Canceled).

12. (Original) The method of claim 9, wherein the signal analysis is switchable by a subscriber via the reverse channel.

13. (Currently Amended) The method of claim 9, wherein ~~decisions on~~ the performing the signal analysis is based on parameters located in ~~from~~ a table.

14. (Currently Amended) The method of claim 9, further comprising:

converting the data ~~signal~~ format for a return path for a bidirectional signal transmission.

15. (Currently Amended) A system for transmitting digitized, broadband data, which are suppliable by various sources for retransmission and which are selectable by a user via a reverse channel, comprising:

a central communications network station~~;~~ including:

a demultiplexer arrangement~~;~~,

a signal-analysis arrangement downstream from ~~following~~ the demultiplexer arrangement~~;~~,

at least one signal processing arrangement, downstream from ~~following~~ the signal-analysis arrangement, to improve source signals prior to a subsequent multiplexing~~;~~,

wherein the ~~system~~ station is operable to:

perform signal analysis on the source signals, and, if necessary, convert a data format of the source signals~~;~~,

centrally compare the source signals to a quality measure ~~before performing the signal analysis and~~ before the retransmission, wherein the quality measure is demanded by a selecting user, to determine inferior quality~~;~~, and

perform a signal improvement on the source signals determined to be of inferior quality ~~signals~~ with respect to the data format and errors of the source signals, wherein the signal improvement includes at least one of a standard conversion through an up-conversion and a special signal improvement.

16. (Currently Amended) The device of claim 15, further comprising a control device for at least one of signal selection and processing, coupled to the demultiplexer arrangement.

17. (New) The device of claim 9, wherein the centrally comparing the source signals to a quality measure takes place subsequent to the performing signal analysis on the source signals.

18. (New) A method for transmitting digitized, broadband data, which are suppliable by various sources for retransmission and which are selectable by a user via a reverse channel, comprising:

performing signal analysis on source signals, wherein the source signals are at least one of a video signal, a digital signal, a measurement signal, and a sound signal, and, if necessary, converting a data format of the source signals;

centrally comparing the source signals to a quality measure after performing the signal analysis and before the retransmission, wherein the quality measure is demanded by a selecting user; and

performing a signal improvement on inferior quality signals with respect to the data format and errors of the source signals, wherein the signal improvement includes at least one of a standard conversion through an up-conversion and a special signal improvement.